

SUP
C1
cont.

to at least one electric generator including [comprising] at least one winding, wherein the winding of at least one of the electric generators comprises a solid insulation system including [comprising] at least [two] one of an inner semiconducting [layers] layer and outer semiconducting layer, each layer [constituting essentially] forming an equipotential surface, and [also intermediate] a solid insulation[, wherein at least one of the layers has substantially the same coefficient of thermal expansion as the solid insulation].

Claim 2, line 1, delete "A" insert --The--.

Claim 3, line 1, delete "A" insert --The--.

SUP
C1
cont.

Claim 4. (Twice Amended) [A] The plant as claimed in claim 1, wherein the [solid insulation is built up of] winding comprises a high voltage cable [intended for high voltage, comprising] including one or more current-carrying conductors surrounded by [at least two semiconducting layers and intermediate insulating layers of] the solid insulation.

BL

Claim 5. (Twice Amended) [A] The plant as claimed in claim 4, wherein the [innermost] inner semiconducting layer is surrounded by the solid insulation and is in electrical contact with a selected plurality of the conductors and is at substantially the same potential as [the conductor(s)] said selected plurality of conductors.

SUB
C1
amt.

Claim 6. (Twice Amended) [A] The plant as claimed in claim 4, wherein the outer semiconducting layer [is arranged to] forms [essentially] an equipotential surface surrounding the [conductor(s)] conductor and the solid insulation.

Claim 7, line 1, delete "A" and insert --The--.

Claim 8, line 1, delete "A" and insert --The--.

SUB
C1
amt.

Claim 9. (Twice Amended) [A] The plant as claimed in claim 4, wherein at least one [two] of said semiconducting layers [have] form a monolithic structure with the solid insulation having substantially the same coefficient of thermal expansion.

12/1

Claim 10. (Twice Amended) [A] The plant as claimed in claim 4, wherein the current-carrying conductor comprises a plurality of insulated strands, and a lesser plurality of uninsulated strands [only a few of the strands not being insulated from each other].

Claim 11. (Twice Amended) [A] The plant as claimed in claim 1, wherein the winding comprises a cable [comprising] including one or more current-carrying conductors, each conductor including a number of strands, [an] said inner semiconducting layer being

5412
B/ant.
arranged around each conductor, [an] the insulating layer of solid insulation being arranged around each inner semiconducting layer and [an] the outer semiconducting layer being arranged around [each] the insulating layer.

Claim 12, line 1, delete "A" insert --The--.

Claim 13, line 1, delete "A" insert --The--.

Claim 14, line 1, delete "A" insert --The--.

Claim 15, line 1, delete "A" insert --The--.

Claim 16, line 1, delete "A" insert --The--.

Claim 17, line 1, delete "A" insert --The--.

Claim 18, line 1, delete "A" insert --The--.

Claim 19, line 1, delete "A" insert --The--.

Claim 20, line 1, delete "A" insert --The--.

Claim 21, line 1, delete "A" insert --The--.

Claim 22, line 1, delete "A" insert --The--.

Claim 23, line 1, delete "A" insert --The--.

Claim 24, line 1, delete "A" insert --The--.

Claim 25, line 1, delete "A" insert --The--.

Claim 26, line 1, delete "A" insert --The--.

Claim 27, line 1, delete "A" insert --The--.

Claim 28. (Twice Amended) [A] The plant for generating active and reactive electric power for a high-voltage distribution or transmission network, [comprising] including at least one electric generator which is coupled to at least one of a gas and a steam turbine via a shaft means and [comprises] including at least one winding, wherein the winding of at least one

of the electric generators comprises a plurality of conductive insulated strands, and a lesser plurality of uninsulated strands and an insulation system in electrical contact with the uninsulated strands [which, as regards its thermal and electrical properties, permits a voltage level] operable in excess of 36 kV.

Claim 29. (Twice Amended) An electric generator arranged to be coupled to at least one of a gas and steam turbine via a shaft means and comprising at least one winding, wherein the winding comprises a solid insulation system [consisting of] including at least two semiconducting layers, each layer [constituting essentially] forming an equipotential surface, and [also] an intermediate solid insulation, wherein at least one of the semiconducting layers [has] forms a monolithic structure with the solid insulation having substantially the same coefficient of thermal expansion [as the solid insulation].

Claim 32, line 1, delete "A" insert --The--.

Claim 33 (Amended) A plant for generating active and reactive power for a high-voltage distribution including at least one rotating high voltage electric machine comprising a stator; a rotor and a winding, wherein said winding comprises a cable including at least one current-carrying conductor including a plurality of insulated strands and at least one uninsulated strand and a magnetically permeable, electric field confining cover surrounding

84
the conductor, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.

Claim 34, line 3, delete "sufficient to establish" insert --for establishing--.

3410
cont.
Claim 37 (Amended) The plant of claim 33, wherein the cover is formed of a plurality of layers including an insulating layer and wherein said plurality of layers [are] form a monolithic structure being substantially void free.

Claim 38 (Amended) The plant of claim 33, wherein the cover is in electrical contact with the uninsulated strands of the conductor.

Claim 39 (Amended) The plant of claim 33, wherein the layers of the cover [have] form a monolithic structure having substantially the same temperature coefficient of expansion.

Claim 40 (Amended) The plant of claim [39] 33, wherein the layers of the cover form a monolithic structure having substantially the same temperature coefficient of expansion such that the machine is operable at 100% overload for two hours.

Claim 41 (Amended) The plant of claim 33, wherein the cover is operable to render the cable [is operable] free of sensible end winding loss.

- 6 -

sub
cl
cont.
field

Claim 42 (Amended) The plant of claim 33, wherein the cover is operable to render the cable [winding is] operable free of partial discharge and field control.